

MULTIMEDIA OPTICAL DISK ON WHICH AUDIO DATA OF A PLURALITY OF CHANNELS AND SUB-VIDEO DATA TOGETHER WITH TIME-VARYING IMAGE DATA, AND DEVICE AND METHOD OF REPRODUCING THE DATA

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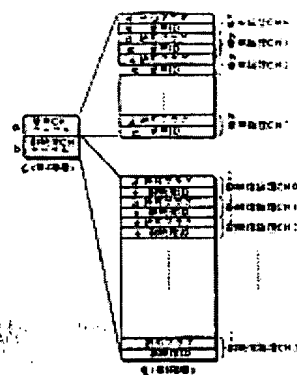
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Abstract of WO9738527

A multimedia optical disk that has data areas where video data are recorded and management information areas where a channel table in which a logical channel number and a physical channel number of sub-data are correlated with each other is recorded. The video data include time-varying image data and sub-data of a plurality of channels to be selectively reproduced together with the time-varying image data are recorded in an interleaving way. The sub-data is voice data or sub-video data. The logical channel number is a channel number allocated in common to the video data. The physical channel is a channel number used for physically identifying sub-data on the optical disk. This configuration allows sub-data to be systematically managed for the video data. For example, sub-data can be continuously reproduced for video data by, for example, avoiding designating the sub-data in a physical channel in no existence.



a ... audio CH table
b ... sub-video CH table
c ... (fourth layer)
d ... permission flag
e ... audio ID
h ... audio logical
f ... sub-video ID
i ... sub-video logical
g ... (fifth hierarchy)

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